

Title (en)

REDUCED PROFILE WIND TOWER SYSTEM FOR LAND-BASED AND OFFSHORE APPLICATIONS

Title (de)

WINDTURMSYSTEM MIT REDUZIERTEM PROFIL FÜR LANDBASIERTE UND OFFSHORE-ANWENDUNGEN

Title (fr)

SYSTÈME DE TOUR ÉOLIENNE À PROFIL RÉDUIT POUR APPLICATIONS TERRESTRES ET EN MER

Publication

EP 3265676 B1 20210407 (EN)

Application

EP 16759308 A 20160226

Priority

- US 201562127497 P 20150303
- US 2016019881 W 20160226

Abstract (en)

[origin: WO2016140892A1] A reduced profile wind tower system includes a slim cylindrical spinal core extending up vertically from a foundation. A turbine nacelle is mounted on a top end of the core. Wind turbine blades extend out from the nacelle. A plurality of axially loaded tubular arms, braced by the core, are spaced around the core and link to the core through continuous shear wings or discrete bracket assemblies. The tubular arms and shear wings extend up from said foundation. The tubular arms can be set either vertically or slightly sloped. Other embodiments relate to the substitution of cables for the tubular arms and/or the transformation of the tower into a floating structure.

IPC 8 full level

F03D 13/35 (2016.01)

CPC (source: EP US)

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